

## Methacrylic polymer or copolymer nanoparticles, their preparation and application as a vector for medicines.

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### Abstract of EP0240424

The nanoparticles are substantially spherical in shape, between 100 and 600 nm approximately in average diameter and homogeneous in distribution (monodisperse system), and comprise at least one repeated unit of general formula (I) below: in which R represents a hydrogen atom or a linear or branched alkyl group having 1 to 6 carbon atoms, or an alkyl group substituted with a hydroxyl, carboxyl or ester group, where appropriate containing one or more ethylenic double bonds, at least one of the repeated units containing at least one carboxyl and/or free hydroxyl group. Application as a carrier for a medicinal product, diagnostic reagent and contrast product in medical imaging.

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